

iii. Tunnel Equipment Clear Zones

The tunnel cross section in Fig. 0-7 shows the two "clear zones" that were established by the Collider Ring Division in early 1992. The 1.4 m (55 in.) wide by 2.13 m (7 ft) high "clear zone" is to be kept open in the inner aisle, even during construction and installation of RHIC equipment. The outer aisle may have large, temporary equipment (welders, pump stations, etc.) blocking it during these installation steps. Equipment causing temporary blockage of inner aisle space should be on wheels and be able to be tucked between or under magnets to allow passage of personnel, electric carts, and other equipment. Since any protrusion into the "clear zone" can stop the passage of repair, maintenance, and magnet replacement equipment, both aisle "clear zones" must remain free of permanent structures when RHIC is completed. In some cases, certain temporary equipment may reside in the "clear zone" of the outer aisle during RHIC operation.

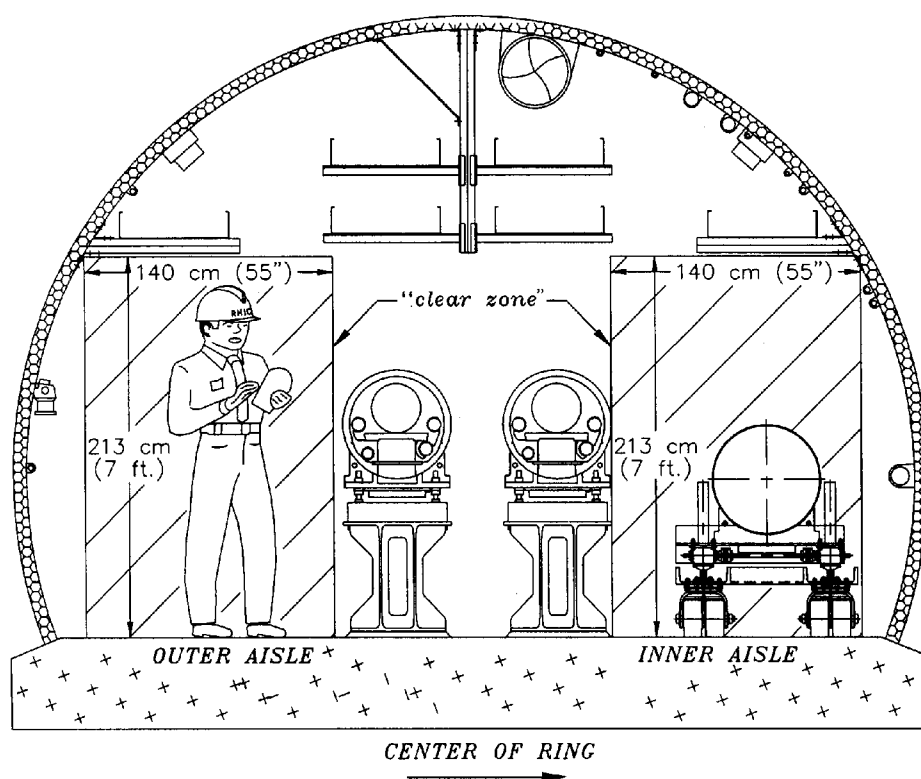


Fig. 0-7. Tunnel cross section clear zones.